



COLIN CAMPBELL (CHEMICALS) PTY. LTD.

MATERIAL SAFETY DATA SHEET

Date of Issue: 1 January 2008

1) IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: CAMPBELL PYRUS 400SC FUNGICIDE
Other Names: None
Chemical Group: Anilinopyrimidine (APS)
Recommended Use: Fungicide for use on horticultural crops.
Supplier Details: Colin Campbell (Chemicals) Pty Ltd ABN 29 000 045 590
5 Blackfriar Place
Wetherill Park NSW 2164
Telephone: (02) 9725 2544
Fax: (02) 9604 7768
Email: cccsyd@campbellchemicals.com.au
Website: www.campbellchemicals.com.au
Contact: Product Development Manager – (02) 9725 2544
Emergency Telephone Number: (02) 9725 2544 – 8am to 6pm Monday to Friday.

2) HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE - NON DANGEROUS GOOD

Hazardous classification: Hazardous according to the criteria of the National Occupational Health & Safety Commission (NOHSC)

Risk phrases: R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: See sections 4,5,6,7,8,10,12,13

ADG Classification Not a Dangerous good for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

SUSDP classification: Unscheduled (Standard for the Uniform Scheduling of Drugs & Poisons)

3) COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration
Pyrimethanil	53112-28-0	40%
Other ingredients including wetting agents and water	Non hazardous	30-60%

4) FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or Poison Information Centre (Ph: 13 11 26) and follow the advice given. Show this Material Safety Data Sheet to the doctor.

Inhalation: If inhaled remove to fresh air and keep at rest. If not breathing, give artificial respiration.

Skin Contact: Carefully remove contaminated clothing. Wash affected areas with mild soap and water.



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Date of Issue: 1 January 2008

4) FIRST AID MEASURES continued

Eye contact:	Check and remove any contact lenses. Rinse eyes immediately with clean water for at least 15 minutes and seek medical aid if pain, tears, blinking or redness persist.
Ingestion:	Wash mouth out with water. Do NOT induce vomiting. Keep patient at rest and seek medical advice. Loosen tight clothing.
First Aid facilities	Ensure eye wash and safety shower are available.
Medical Attention:	Treat symptoms. No specific antidote known.

5) FIRE FIGHTING MEASURES

Extinguishing media	Water spray, foam, dry chemical, carbon dioxide (CO ₂)
Hazard from combustion products	In a fire, formation of carbon monoxide, carbon dioxide and nitrogen oxides can be expected.
Precautions for fighting fires	Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Keep unnecessary people away. If it can be done safely remove intact containers from the fire. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of extinguishing agent and spillage safely later. Do not release contaminated water into the environment.
Hazchem Code	Not applicable.

6) ACCIDENTAL RELEASE MEASURES

Avoid contact with spilled material or contaminated surfaces. Do not smoke, eat or drink during the clean up process. Wear personal protective clothing and equipment as detailed in Section 8 PERSONAL PROTECTION. Keep people and animals away. Contain spill and absorb with earth, sand, clay or other absorbent material. Prevent spilled material from entering drains or watercourses. Collect and store in properly labelled drums for safe disposal. Clean floor with a damp cloth and place it in the drum. Seal drums and label ready for safe disposal. Deal with all spillages immediately. If contamination of drains, streams, watercourses etc is unavoidable warn the local water authority.

7) HANDLING AND STORAGE

Handling	Keep out of reach of children. Will irritate eyes and skin. Avoid contact with eyes and skin. Do not inhale spray mist. After use and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves and contaminated clothing.
Storage	Store in the closed original container in a cool well ventilated area. Do not store for prolonged periods in direct sunlight. Store in a locked room away from children, animals, food, animal feed, seed and fertilisers. Protect from frost.
Flammability	Not flammable.



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8) EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Standards	No exposure standards have been assigned. Suggested hygiene standard is TWA = 6 mg/m ³ .
	Exposure standard – Time Weighted Average (TWA) means the average airborne concentration of a particular substance when calculated over a normal eight hour working day, for a five-day working week.
Biological Limit Values	None allocated
Engineering Controls	Control process conditions to avoid contact. Use in a well ventilated area only.
Personal Protective Equipment	Eyes: Safety goggles Clothing: Cotton overalls buttoned to the neck and wrists and a washable hat. Gloves: Elbow length chemical resistant PVC gloves Respiratory: If inhalation is likely an AS/NZS 1715/1716 approved respirator should be worn..

9) PHYSICAL AND CHEMICALS PROPERTIES

Appearance:	White viscous liquid
Odour:	Negligible
Vapour pressure:	Not available
Vapour density:	Not available
Boiling point:	>100°C
Freezing/Melting point:	Not available
pH:	5.8
Solubility:	Disperses in water
Specific gravity:	1.08
Flash point:	Not available
Flammability (explosive) limit:	Not available
Auto ignition temperature:	Not available
Partition coefficient (octanol/water):	Pyrimethanil : log P _{ow} = 2.8 at 20°C

10) STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	Excessive heat
Incompatible materials :	Oxidising agents.



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10) STABILITY AND REACTIVITY continued

Hazardous decomposition products: In a fire, formation of carbon monoxide, carbon dioxide and nitrogen oxides can be expected. Hazardous polymerisation will not occur.

Hazardous reactions: None

11) TOXICOLOGICAL INFORMATION

Inhalation: Unlikely to be harmful when handled and used as directed on the label.

Skin contact: Non-sensitiser. Not expected to be an irritant.

Eye contact: Not expected to present a significant eye contact hazard under anticipated conditions of normal use.

Ingestion: Health hazard if ingested in large quantities.

ANIMAL TOXICITY DATA – PRODUCT

Acute:

Oral toxicity: LD₅₀ rat >2000mg/kg

Dermal toxicity: LD₅₀ rabbit >2000mg/kg

Inhalation toxicity: No data

Skin irritation: Normally considered as not dangerous for the skin.

Irritation of mucous membranes: No data

Sensitisation: Non-sensitiser

Chronic:

Pyrimethanil is not carcinogenic, mutagenic or teratogenic and did not cause reproductive effects in animal studies.

12) ECOLOGICAL INFORMATION

Toxic to aquatic organisms and may cause adverse effects in the aquatic environment.
DO NOT contaminate streams, rivers or waterway with Pyrus or the used containers.

Ecotoxicity: Pyrimethanil:

Fish toxicity: LC₅₀ (96 h) in trout (*Onchorhynchus mykiss*) 10.6 mg/L

Daphnia toxicity: EC₅₀ (48 h) water flea (*Daphnia magna*) 2.9 mg/L

Algal Toxicity: EC₅₀ (24-72 h) *Navicula pelliculosa* 1.2mg/L



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12) ECOLOGICAL INFORMATION continued

**Ecotoxicity
(continued):**

Pyrimethanil:

Bird toxicity:

Acute oral LD₅₀ mallard duck >2000 mg/kg

Acute oral LD₅₀ bobwhite quail > 2000 mg/kg

Pyrimethanil is practically non-toxic to birds, bees and earthworms.

**Environmental fate,
persistence and
degradability,
mobility**

No data

13) DISPOSAL CONSIDERATIONS

Triple or preferable pressure rinse containers before disposal. Add rinsings to the mixing tank. Do not dispose of undiluted chemical on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

14) TRANSPORT INFORMATION

UN Number: Not applicable
Proper Shipping name: Not applicable
Class and subsidiary risk: Not applicable
Packing Group: Not applicable
EPG: Not applicable
Hazchem code: Not applicable

15) REGULATORY INFORMATION

Registered under the Agricultural and Veterinary Chemicals Act 1988 (Commonwealth) Australian Pesticides and Veterinary Medicines Authority approval number: 58785

16) OTHER INFORMATION

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of the how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made the user should contact this company.

END OF MSDS